GPS Tracker Software Platform User Manual

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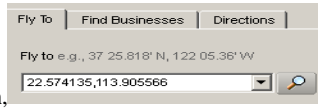
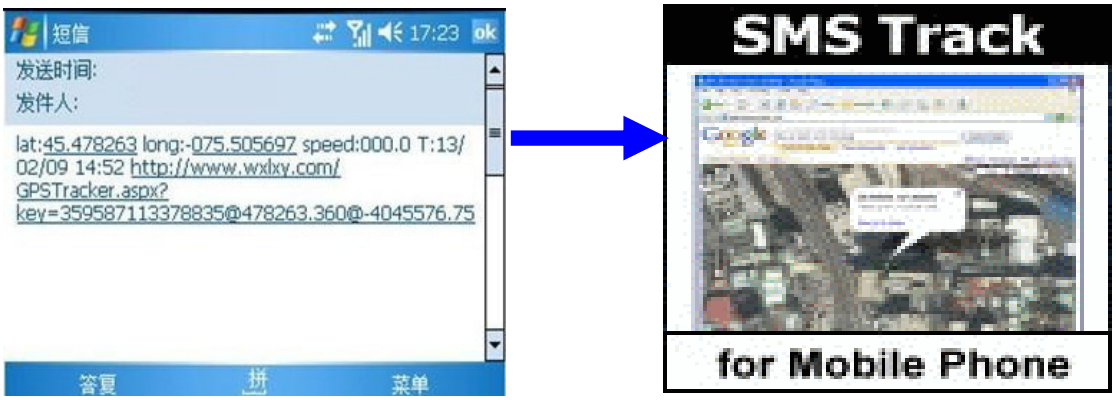
I. Load a GSM SIM card into the tracker and subscribe the GPRS service. Please make sure that the SIM card is able to execute the function of incoming calls display, no calls can be diverted and the PIN code is locked. And switch the tracker on.

II. Manual track on google earth

2.1 Dial the SIM card number in tracker, it will hang up and reply a SMS with web site link and real-time latitude and longitude automatically.

2.2. Install the software Google_Earth_CZXV in CD in your pc, and open google earth, type the lat/long. from SMS in your cell phone replied from tracker on the blank of google earth, 

and click OK to get the detailed position of target tracker. As shown below:



III. Track on PDA cell phone

3.1 The SMS received from tracker including a web-site link, enter the link through your PDA cell phone to get the detailed position anywhere and anytime**.**

As shown below**:**

3.2. This function needs PDA cell phone/support view pictures/and wifi PDA cell phone.

IV. Track on GPRS Monitor Software in CD to Install in Your PC

4.1 Your pc is a mini server, and don't restrict any mid-server operator, the software in one computer can monitor 255 target trackers at most, GPRS data transfer through pc to tracker device real time. the operation steps as following:

4.2. IMEI checking:

Send SMS command "imei+password" to the unit.eg.: Send SMS command "imei123456" to the unit, a imei number in 15 digits will be returned to your cell phone.

4.3. Setting up APN

4.3.1 APN standards for Access Point Name and differs from country to country. For more information about the local APN, inquire with your local GPRS network operator.

4.3.2 Text the tracker a SMS "APN123456 + Space + your local APN" via a cell phone and if succeeded in setup, the tracker will return the message "APN OK".

4.3.3 eg. Send SMS command "APN123456 CMNET". If succeeded, "APN OK" is returned by the tracker in SMS.

Notes: 123456 refers to password and CMNET APN's Network Operator of China.

4.4 GPRS Login User Name and Password Configuration

4.4.1 In most countries, the user name and password involving GPRS login are not compulsorily necessary. Therefore, the entry can be skipped. For those countries requiring user name and password, please configure as follows:

4.4.2 Send SMS"up + 123456 + Space + User + Space + Password". If succeeded, "user, password OK" is returned by the tracker in SMS.

4.4.3 For instance, send SMS"up123456 Jonnes 666666" to the tracker, and if succeeded, the tracker returns "user, password OK"

Notes: 123456 refers to password of the tracker, Jonnes user name and 666666 GPRS password.

4.5 IP Address and Port Setup

4.5.1 Send SMS as below via a cell phone: adminip + 123456 + Space + IP Address + Space + Port Number. If succeeded, "adminip OK" is returned by the device in SMS.

4.5.2. For example, send SMS command "adminp123456 21.34.116.58 7070" to the tracker. If configuration goes smoothly, the tracker returns "adminip OK"; If there is something wrong then SMS "adminip fail" is received, check out the format of commands sent and password as well.

Note: 123456 refers to password, 21.34.116.85 IP address of the public network to which the computer installed the monitor center software pertains, 7070 the port receiving GPRS data of the monitor center software. The above mentioned port corresponds to an idle computer port.

4.5.3 How to obtain a public IP address?

4.5.3.1 For ADSL subscribers with routing function disenabled, right-click the My Network Place in the Windows NT/2000/2003/XP, click Properties and then select Local Connection in the subsequently popped up window for network connection. At this movement, your public IP address appears in the left lower corner.

4.5.3.2. For ADSL subscribers with routing function enabled, the current IP address refers to an internal IP address such as 192.168.1.103 is internal subscribers. In order to obtain a public IP address, it is required first of all to find out the IP address of the router (the router IP address is a proprietary IP address rather than a public IP address). Type in the router IP address into the location field of the IE explorer and then log into the configuration interface of the router following entering the user name and password of the router. Due to different manufacturers, the router configuration interface may differ from each other. It is strongly recommended you to read through the user's manual of router.

Attention: As your public IP address is not fixed but dynamic, it changes each time when surfing the internet via dial-up internet access, thus directly resulting in failure of GPRS connection. In such a case, it needs to set up current IP address via following the Step III. If your IP address is fixed, there is no need to consider troubles mentioned before and once set up, it can remain valid for a long-term.

4.5.4 Which are ports that can be configured?

They range from 1024 to 65535 in number and are not allocated to certain service without alteration, this is to say, many services can use one port. Deploy the command Netstat in the Windows 2000/XP/Server 2003 to examine ports in use.

Click "Start/Run" in turn and then put "cmd" into the field to open the command prompt symbol window. Type in "netstat –a -n" and then press Enter to display the number and status of port in connection with TCP and UDP in the format of digits

```
Microsoft Windows XP [版本 5.1.2600]
(C) 版权所有 1985-2001 Microsoft Corp.

C:\Documents and Settings\Bluewater>netstat -a -n

Active Connections

  Proto  Local Address          Foreign Address        State
  TCP    0.0.0.0:135            0.0.0.0:0              LISTENING
  TCP    0.0.0.0:445            0.0.0.0:0              LISTENING
  TCP    0.0.0.0:1025           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:1034           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:1218           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:2300           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:2562           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:2657           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:2659           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:2990           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:3071           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:3211           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:3212           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:3213           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:3214           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:3215           0.0.0.0:0              LISTENING
  TCP    0.0.0.0:4410           0.0.0.0:0              LISTENING
```

All the ports displayed in the interface are occupied and not available for use. Select any number within the range of 1024~65535 other than those numbers displayed in the interface.

4.5.5 Attention: The ports in the tracker, router and system setup of the map monitor center should be identical.

4.6. Modes switch between “SMS” and “GPRS”

4.6.1 Send SMS “GPRS+password” to the unit, and it will reply “GPRS ok!” and switch to “GPRS”mode.

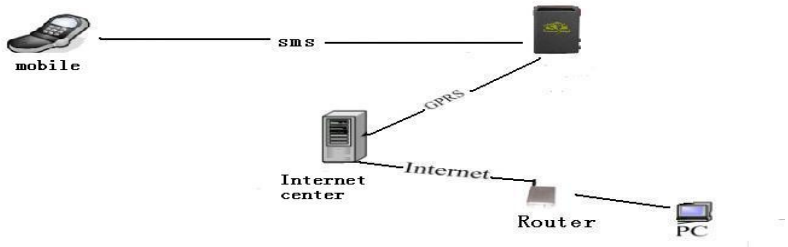
4.6.2 Send SMS “SMS+password” to the unit, it will reply “SMS ok!” and restore to “SMS” mode.

4.7. Router Port Mapping Method

4.7.1 For ADSL subscribers with routing function disenabled, there is no need for port mapping.

4.7.2 For internal subscribers surfing the internet via ADSL router automatic dial-up or co-shared internet access, it is compulsory to map ports.

4.7.3 What is necessity for port mapping? Let’s focus on how GPS data in the tracker to transfer to the personal computer with the monitor platform software installed.



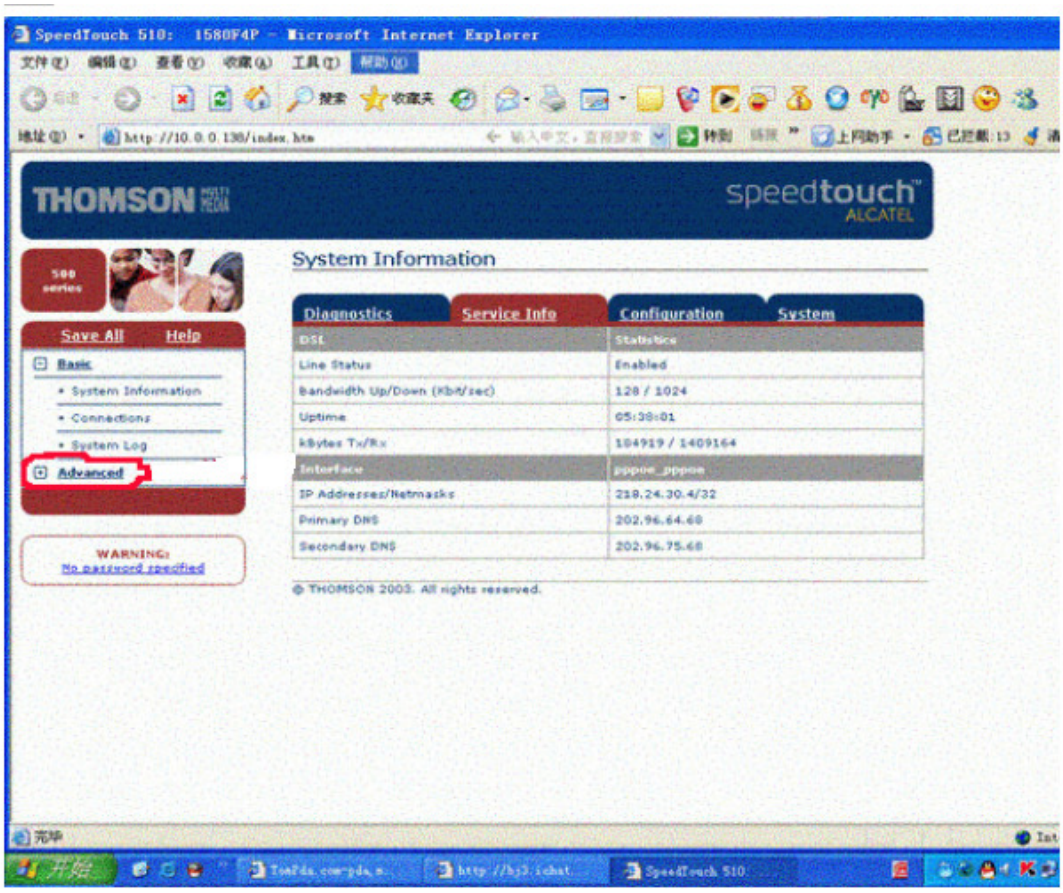
The tracker transfers GPS information to the network operator's machine room via GPRS first of all. Through wireless network, the GPS information is sent to internet and then a public IP associated with the router. The personal PC is connected with the internal network allocated by the router. In order to realize transferring GPS information to a personal PC correctly, the router must be able to transfer information received from WAN to the PCs in a LAN.

4.7.4. In the first place, open the IE explorer and type in the router IP address in the address column. This IP address refers to neither a non-public IP nor IP in the personal PC but the router IP address which can be obtained from the user’s manual of router. Enter the IP address mentioned above and then put the default user name and password as well into the password entry dialogue box shown up subsequently. The user name and password can be found in the

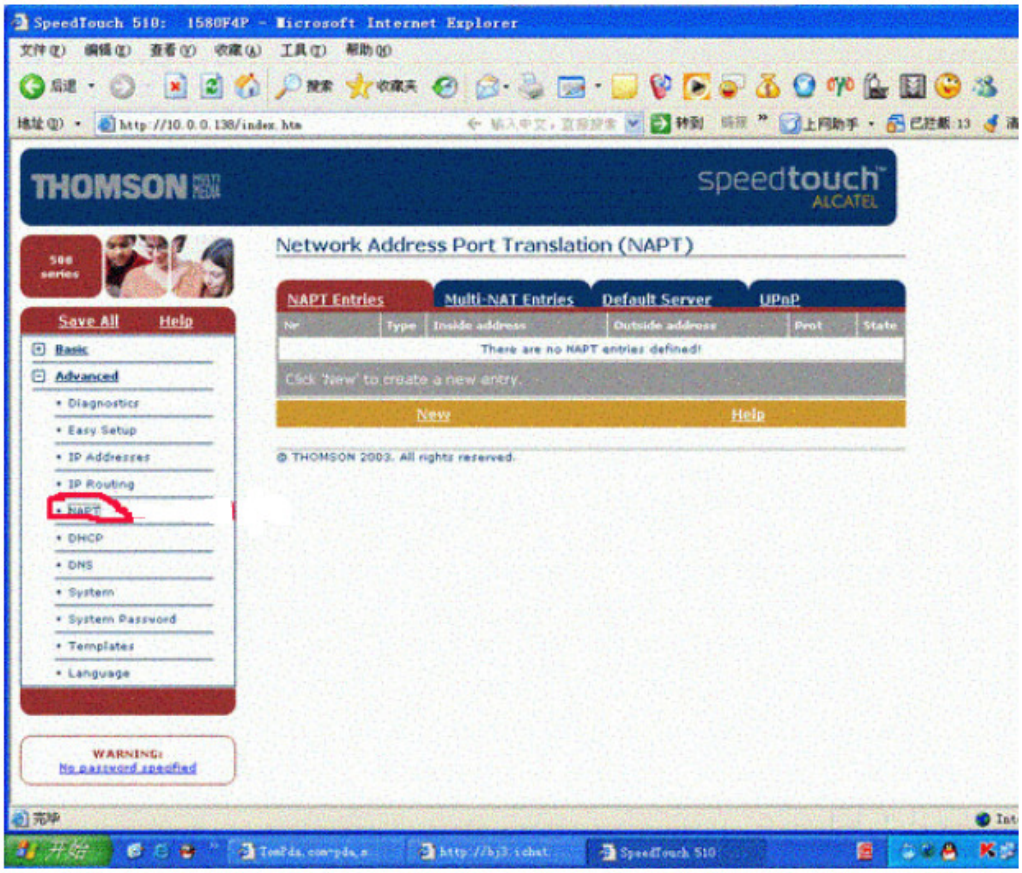
user's manual of router. Log into the router configuration interface and find out the option of port mapping or transfer protocol. Set up the transfer port according to the tracker port configuration. Put in 7070 and then the internal IP address for information transfer. For example, enter 192.168.1.10（192.168.1.10 is the internal IP address for the computer where the monitor center software is installed）and select TCP or ALL as protocol. Click Save and quit. The configuration is done at this point.

4.7.5 The following takes ALCATEL511 as an example to demonstrate how to map a port.

4.7.5.1 Open the IE explorer and enter 10.0.0.138 (IP address of ALCATEL511's Control Interface) into the address column. When the IP address is typed in correctly, IE displays corresponding information about the built-in control interface of ALCATEL511 as shown below.



4.7.5.2 When logging in, the basic interface of ALCATEL511 appears and then click the column ADVANCED in the left of the screen



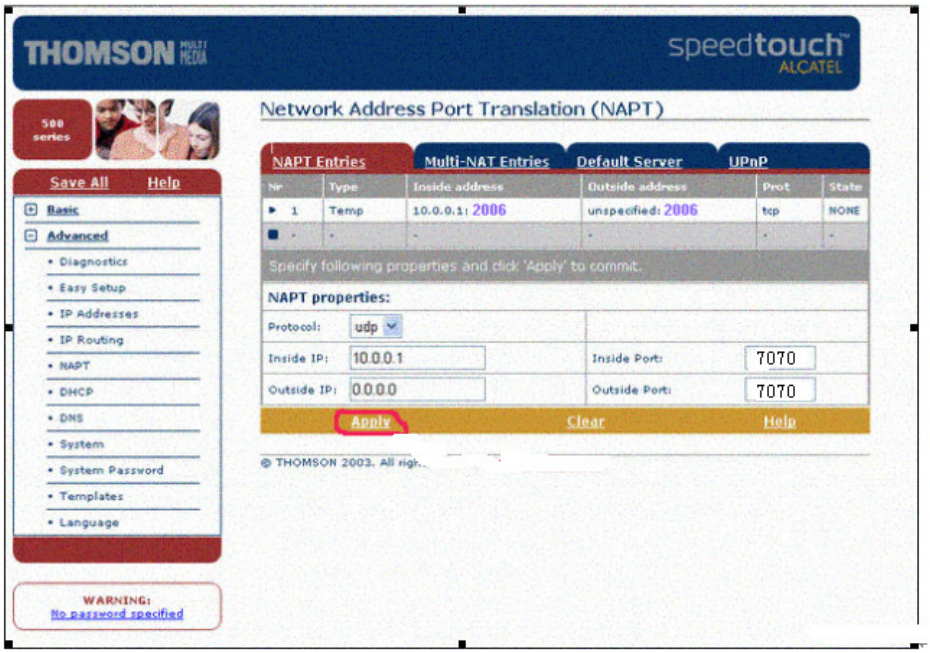
An interface pops up subsequently. Here we can set up the port mapping function. Click NAPT in the left menu.

4.7.5.3 Although the router operation interface differs from manufacturer to manufacturer, the function of transfer or mapping is common for various routers. If unable to complete configuration alone, seek for technical support from network technicians or router manufacturers.

Following NAPT control interface login, an interface shown above appears and some fields must be filled out.

4.7.5.4 Select the TCP mode and then enter 10.0.0.1 into the column of Internal IP that is identical to that in the PC.
Type in 7070 into the fields in connection with Inside Port and Outside Port respectively.

When configuration is done, click Apply to save.



Finally, click Save All in the left upper corner of the screen to save those settings. All the configuration information is stored in the firmware of ALCATEL511 and remains retained when no power is supplied to the ALCATEL511. However, the configuration information gets lost in the process of setting up router or updating firmware.

When configuration is over, the port mapping function of ALCATEL511 ADSL adapter is available following reboot.

4.8. Map can be installed subsequently,monitor software run in the circumstance of Windows NT/2000/2003/XP

4.9. Click

in the CD ROM to initiate installation that only takes several minutes.

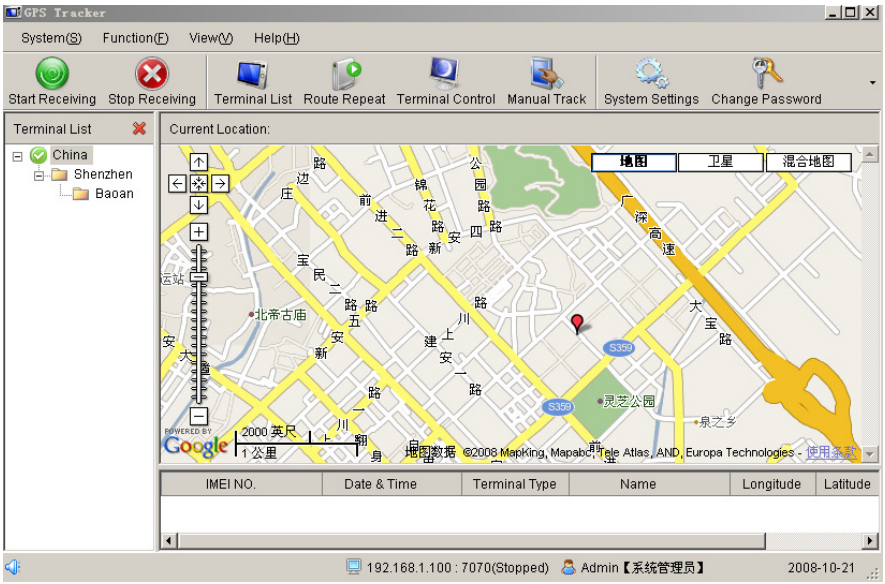
4.10. Click

on the desktop following installation and then log in.

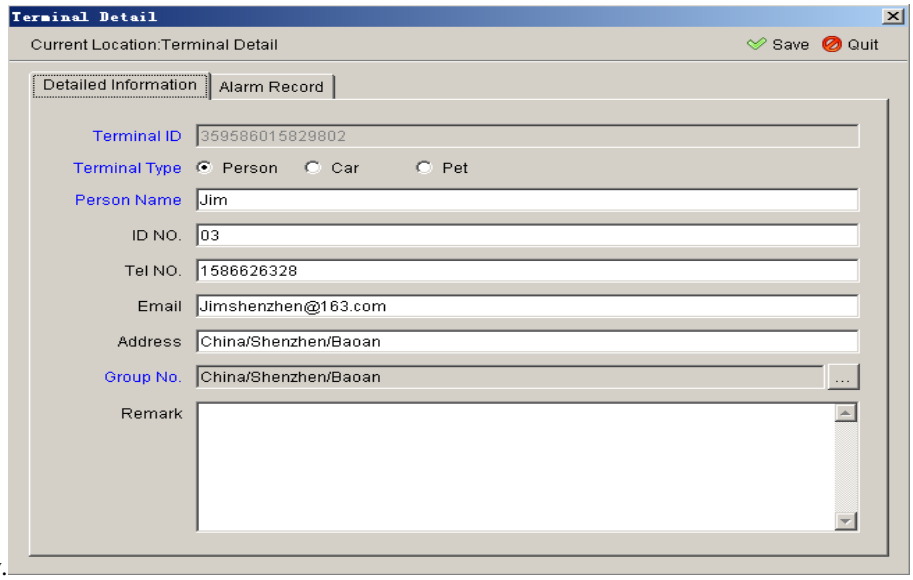
4.11.

Type admin and admin as the default user ID and password as shown above.

4.12. Click Login to enter the map interface.



4.13. Right-click Terminal List and select Add Groups to add a group. When a certain group is chosen, click Add Group Branches to supplement a sub-group. Select the ideal sub-group and click Add Terminal. The following window pops up instantly.

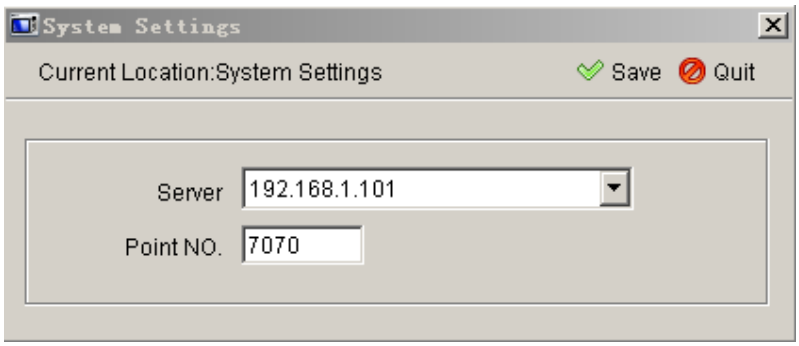


Type in the terminal IMEI number in the field of Terminal ID, then click Save to store the user's information filled out as shown in figure.

Attention： Each tracker's IMEI number is unique and can only be allowed to add and use in one computer exclusively which means once such a number is added in one computer successfully, it is not allowed to be added into another computer. If the case of adding the IMEI number via another computer is inevitable, please contact your supplier or dealer and give your imei for assistance, then you can add the imei in any computer to operate after getting our authorized confirmation.

4.14. System Port Number Configuration: Click

and Select a current valid IP in personal computer in the server field,0 is invalid IP.type in a port number identical with the number of a mapping port in the terminal and router as well in point NO.field.and click Save to save ultimately



Attention: The corresponding system IP will be changed when you use the wired router, wireless router and wireless network card.IP will be shown in server field automatically, you only need to select one valid IP. If the monitor software in the running status, pls stop running to change the IP address, it will be valid after changing and saving the system IP address.

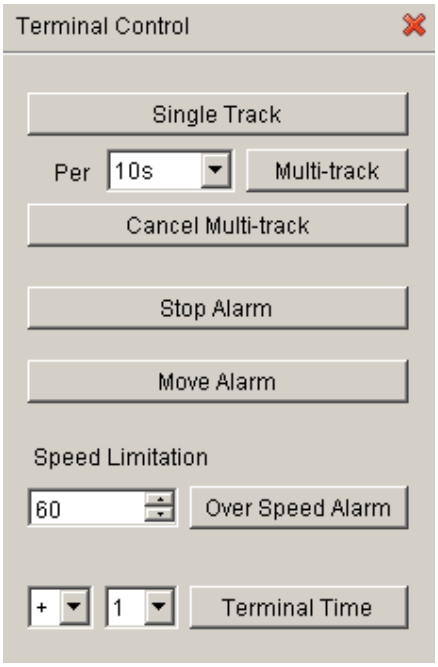
4.15.Click

to launch the monitor map software. Operation can only be made after 1 minute following software opening as the GPRS connection takes around 1 minute to complete.

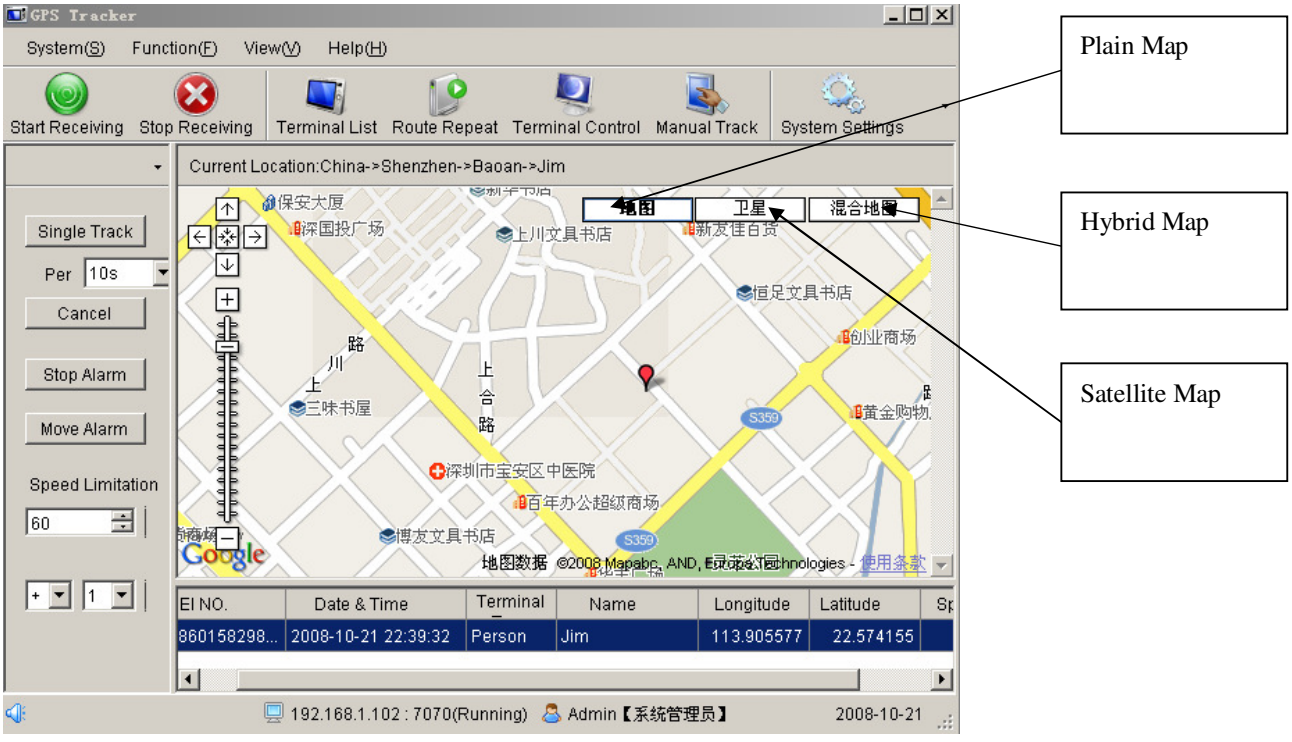
4.16. Select a terminal in the Terminal List as shown below to check out. As shown below:

4.17. Single Locating: Click

to load the terminal control window and click Single Track to execute the said function once.



The following window displays information like name, latitude and longitude of the terminal being located and the map skips to the location where the terminal locates, namely, the place indicated by the red point in the map as shown below.



4.18. Multiple Locating: Click Multi-track to select an interval from options including 10s, 15s, 20s, 30s, 1m, 5m, 10m, 30m, 1h, 5h, 10h and 24h to execute the said function.

4.19. Multi-track Cancellation: Click Cancel Multi-track to disenable the function of Multi-track and the message "Multi-track Cancellation OK" appears in the column of Alarm Code if succeeded.

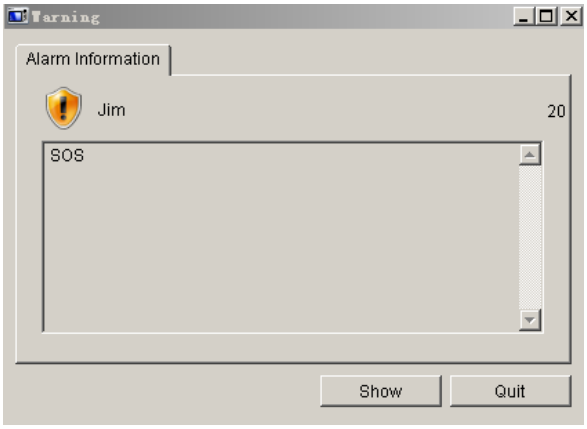
4.20. Alarm Halt: Click “Stop Alarm” to disenable all the alarm tasks being selected and the message "Stop Alarm OK" appears in the column of Alarm Code if succeeded.

4.21. Move Alarm: Click move Alarm to enable the said function. Once the terminal is moved outside the 200m range as the function in question is available, the corresponding alarm will be sent to the monitor center in every 3m. To disenable the said function, click stop alarm.

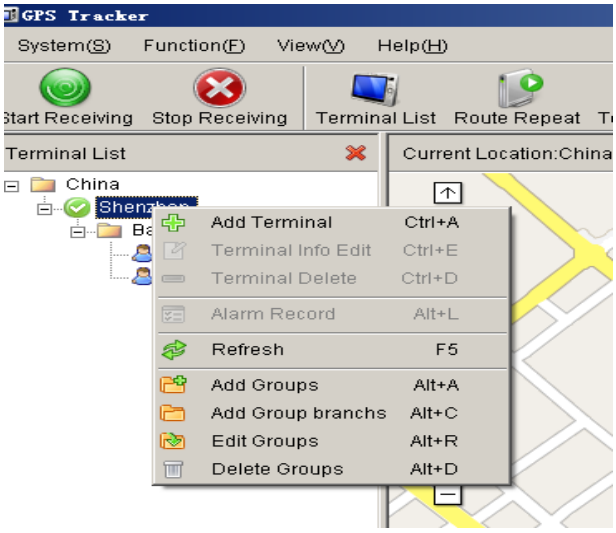
4.22. Overspeed Alarm: Fill out the column of Speed Limitation with a value between 10~300 and then click Overspeed Alarm to send this command. When the terminal speed exceeds such a preset value, the corresponding alarm will be sent to the monitor center in every 3m. To disenable the said function, click stop alarm.

4.23. Time Change: Click Terminal Time to change GPS time to the local time.

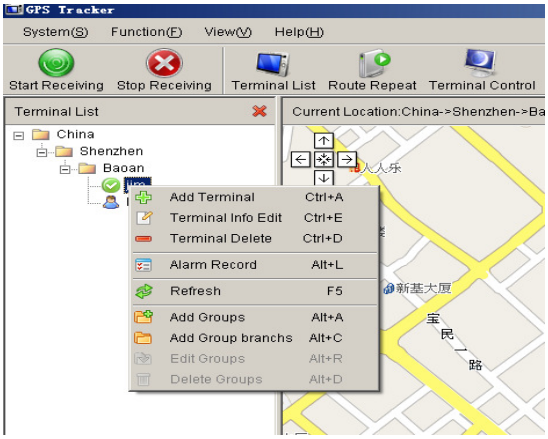
4.24. SOS: When SOS is required, press and hold Tracker SOS for at least 3s and the terminal will send SOS information to the monitor center every 3m accompanied by beeps. To disenable the said function, click Stop Alarm.



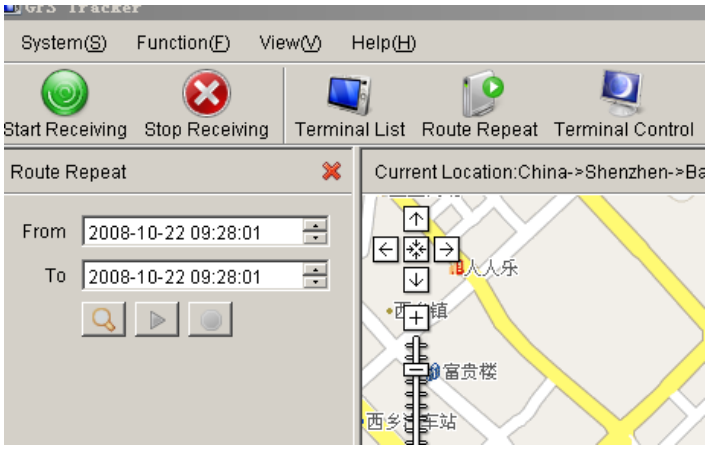
4.25. Group Management: Select an established group from the Terminal List drop-down list box and then click the right button. Users are allowed to add a new IMEI number or edit/delete the said group etc. as shown below:



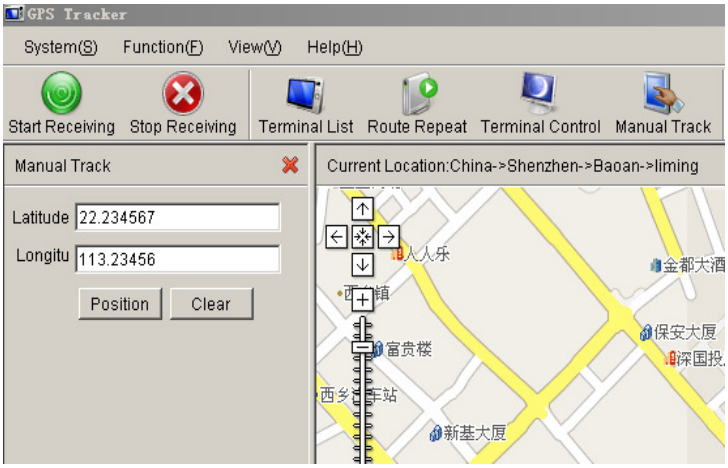
4.26. Terminal Management: Select an established terminal from the Terminal List drop-down list box and then click the right button. Users are allowed to modify the terminal/check out alarm records/add or remove terminals etc. as shown below:



4.27. Trace Playback: Click Route Repeat to operate.

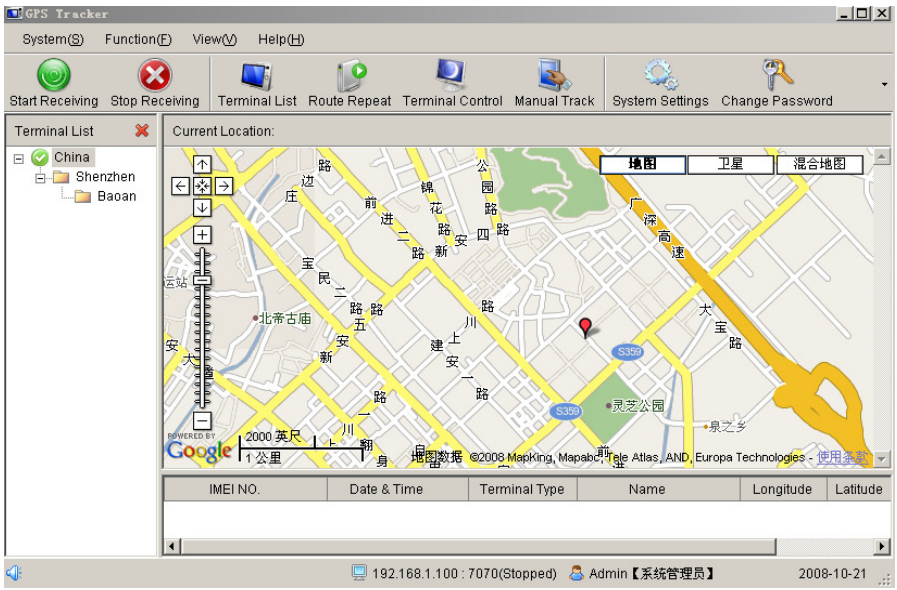


4.28. Manual Locating: Click Manual Track to operate.



4.29. Password Modification: Change the monitor center login password via change password.

4.30. Operation Interruption: Click Stop Receiving to terminate the data receiving process of the monitor center.



4.31. One monitor center can several port at the same time, but the map only display one current position of port.pls select the port you want from terminal list If you want to check the position of another current port.

4.32. Multiple Locating function only used for one port for one time, If you want to Multi-track for another port,pls cancel the multiple location function for the first port.

4.33.Switching the mode from GPRS into SMS,pls send SMS command “SMS+password” to tracker via your cell phone, it will reply “SMS OK” and restore to “SMS” mode.

V. Track on GPRS Web-server Monitor Center

5.1. If you don’t change the default APN and IP and port (default APN is CMNET,IP is 202.105.135.50 ,port is 9000) and work the web-server monitor center in China, the following three steps (step2/step3/step4) can be skipped, and operate other steps. But pls follow all the following steps one by one for the foreign customers.

5.1.2 This web-server is easy and fast for you to track the position and control the target tracker in any computer as long as the pc can surf internet, and it can manage and control about 10,000 target trackers.

5.2.. Obtain Imei Number

5.2.1 Switch the GPS tracker on**,** text the tracker a SMS “imei123456” via a cell phone, (123456 is the default password, If you changed the password, pls send SMS with new 6 digits password),a imei number in 15 digits will be return to your cell phone.

5.2.2 This service will be free for one month to test, If you want to use this server after one month from shipping out the factory, pls give us the imei to subscribe the server.

5.3. APN Configuration

5.3.1. APN standards for Access Point Name and differs from country to country. For more information about the local APN, inquire with your local GPRS network operator.

5.3.2. Text the tracker a SMS “APN123456 + Space +APN of your local GSM net operator” via a cell phone after obtaining your correct APN, and if succeeded in setup, the tracker will return the message “APN OK”

eg.send SMS command ”apn123456 cmnet” to tracker device, If succeeded, “APN OK” is returned by the tracker in SMS.

Notes: 123456 refers to password and CMNET APN's Network Operator of China.

5.4. GPRS Login User Name and Password Configuration

5.4.1 In most countries, the user name and password involving GPRS login are not compulsorily necessary. Therefore, the entry can be skipped. For those countries requiring user name and password, please configure as follows:

5.4.2 Send SMS command “up+123456+Space+User+Space+Password”. If succeeded, “user, password OK” is returned by the tracker in SMS.

eg.Send SMS “up123456 Jonnes 666666” to the tracker, and if succeeded, the tracker returns "user, password OK". ”

Notes: 123456 refers to password of the tracker, Jonnes user name and 666666 GPRS password.

5.5. IP Address and Port Setup

5.5.1 Send SMS as below via a cell phone: adminip+123456+Space+IP Address+Space+Port Number.The configuration for all subscribers in our web-server monitor center should be with our unique IP and port,IP is: **202.105.135.50 port is:9000** So the SMS command sent by cell phone as following: “adminip123456 202.105.135.50 9000” If configuration goes smoothly, the tracker returns "adminip OK"

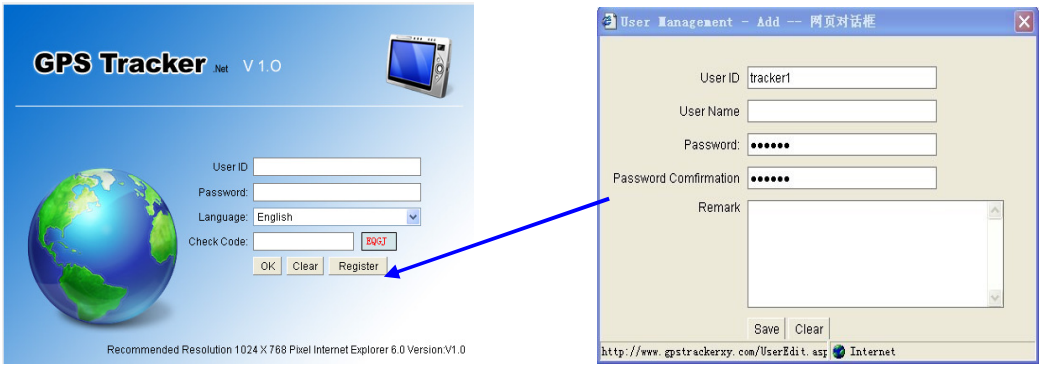
5.6 Modes switch between “SMS” and “GPRS”

5.6.1 Send SMS “GPRS+password” to the unit, and it will reply “GPRS ok!” and switch to “GPRS”mode.

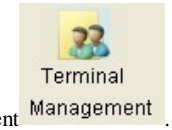
5.6.2 Send SMS “SMS+password” to the unit, it will reply “SMS ok!” and restore to “SMS” mode.

5.7. Sign up user ID and password

Enter www.gpstrackerxy.com ,click New member sign up, setting up a user ID and password and save, and be sure to keep the user ID and password in mind.



5.8. Add IMEI Number

Sign in the server map with your user ID and password, login the map as below, Add Imei number in menu of terminal management 

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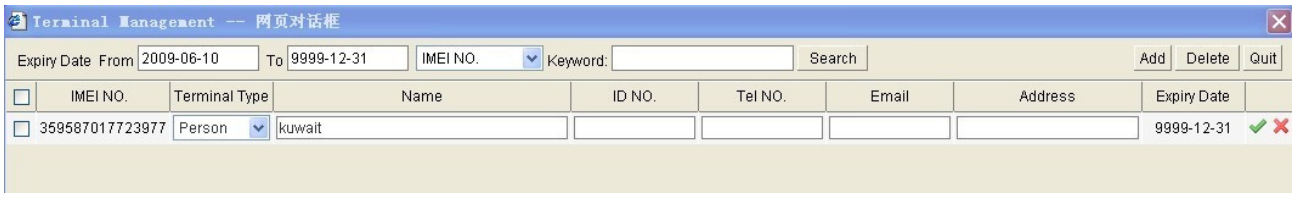
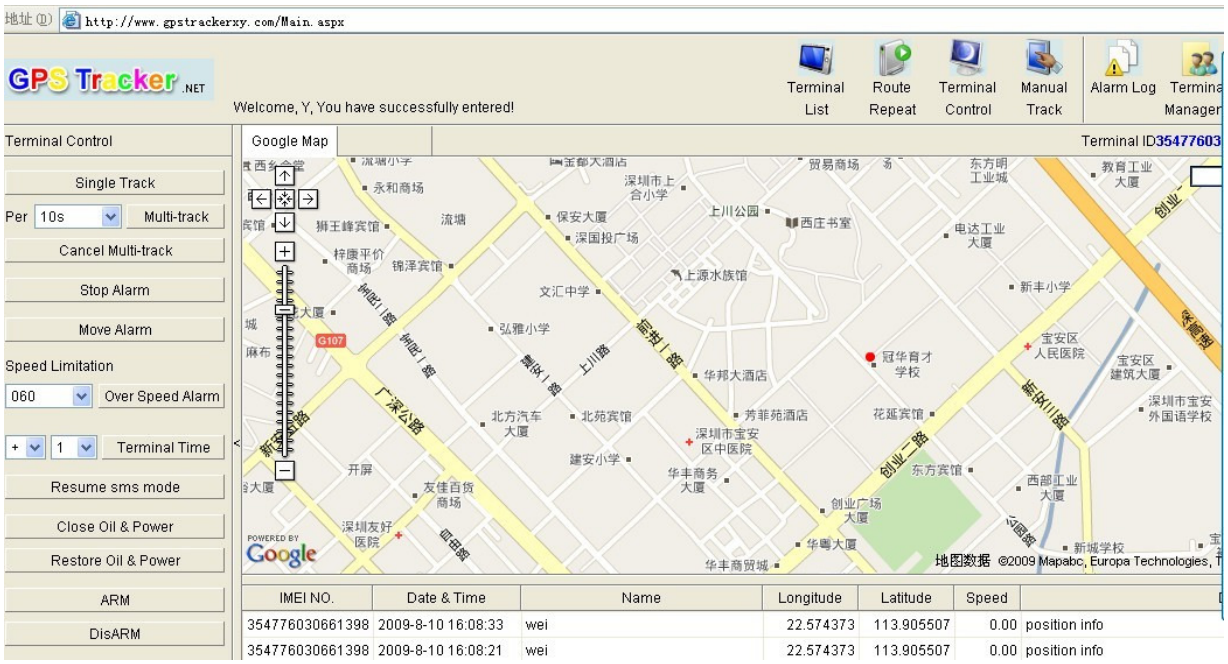

Terminal Management -- 网页对话框
Expiry Date From 2009-06-10 To 9999-12-31 IMEI NO. Keyword: Search Add Delete Quit
IMEI NO. Terminal Type Name ID NO. Tel NO. Email Address Expiry Date
359587017723977 Person kuwait 9999-12-31

5.9. Control command operation

5.9.1 Clicking the terminal (imei) you added in terminal list, then you can operate any menu and manage the terminal tracker by clicking terminal control

.



5.9.2 Single Locating，click

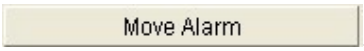
.

5.9.3 Multiple Locating, click

, to select an interval 10s, or 20s to execute the said function.

5.9.4 Multi-track Cancellation: Click

.

5.9.5 Move Alarm, click 

.

5.9.6 Over speed alarm, click

.

5.9.7 Alarm Halt, click

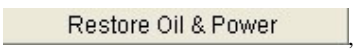
, Click “Stop Alarm” to disenable all the alarm tasks.

5.9.8 Terminal time setup, click

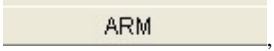
.

5.9.9 Cut off the oil and power system, click

, This function is only for vehicle GPS-103,pls carefully to use it to avoid any uncertain danger.

5.9.10 Resume the oil and power system, click 

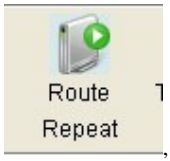
, this function is only for vehicle GPS-103.

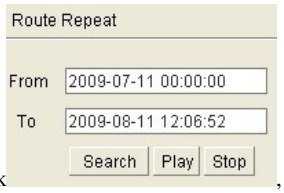
5.9.11 Arm, click 

, this function is only for vehicle GPS-103

5.9.12 Disarm，click

, this function is only for vehicle GPS-103.

5.9.13 Trace Playback, click 

, select the time period you want to check 

, click search, click play.

5.9.14 Alarm and locating record, click

.

5.9.15. Account password modification, click

5.9.16. Switching the mode from GPRS into SMS, pls send SMS command" SMS+password" to tracker via your cell phone, it will reply "SMS OK" and restore to "SMS" mode.